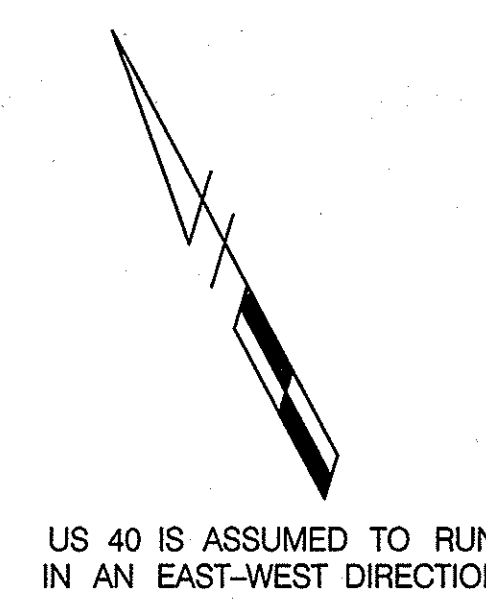
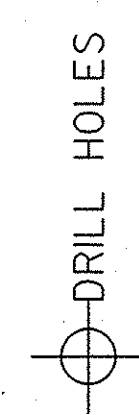
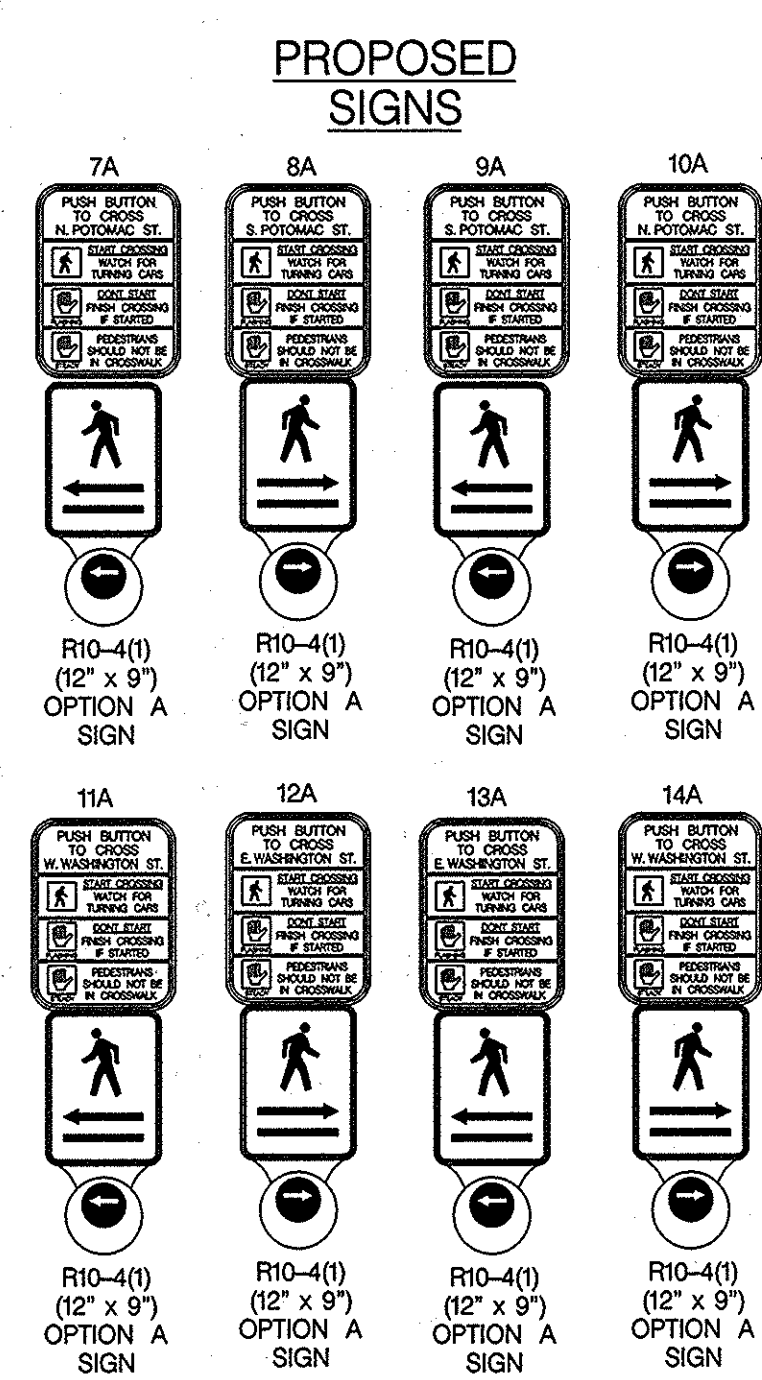
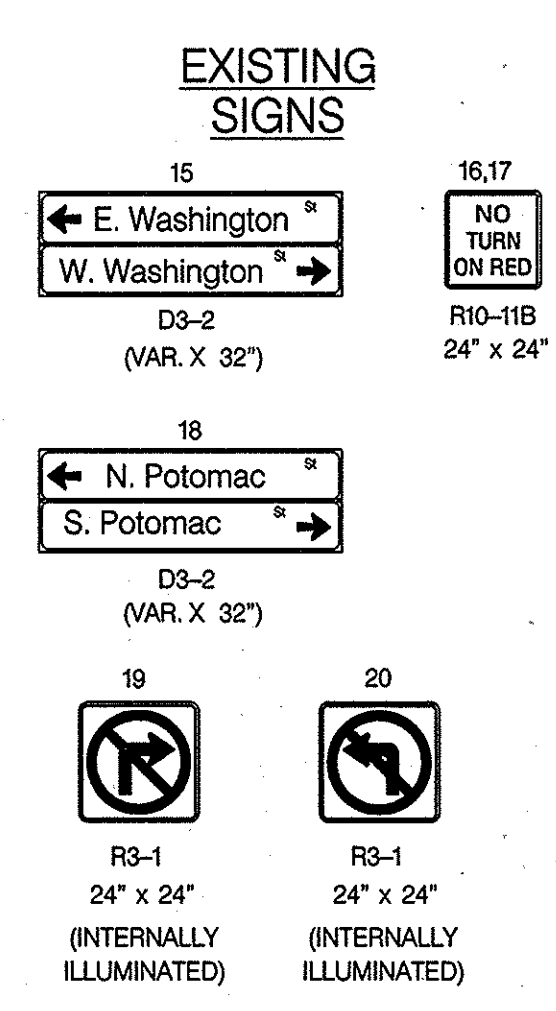


REVISED BY: DATE: 1-20-06



US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF EASTBOUND US 40 AND SOUTHBOUND POTOMAC STREET IN WASHINGTON COUNTY. US 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION CURRENTLY OPERATES IN A TWO-PHASE, FIXED TIME MODE WITH CONCURRENT PEDESTRIAN PHASES ACROSS EACH APPROACH. THE PEDESTRIAN PHASING WILL BE CHANGED TO ALTERNATE PHASING.

PROJECT CONSTRUCTION

WORK WILL CONSIST OF REPLACING THE STANDARD PEDESTRIAN SIGNALS WITH COUNTDOWN PEDESTRIAN SIGNALS AND INSTALLING NEW AUDIBLE-TACTILE PEDESTRIAN PUSHBUTTON STATIONS.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA AND INSTALLED BY CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

EQUIPMENT LIST "B"

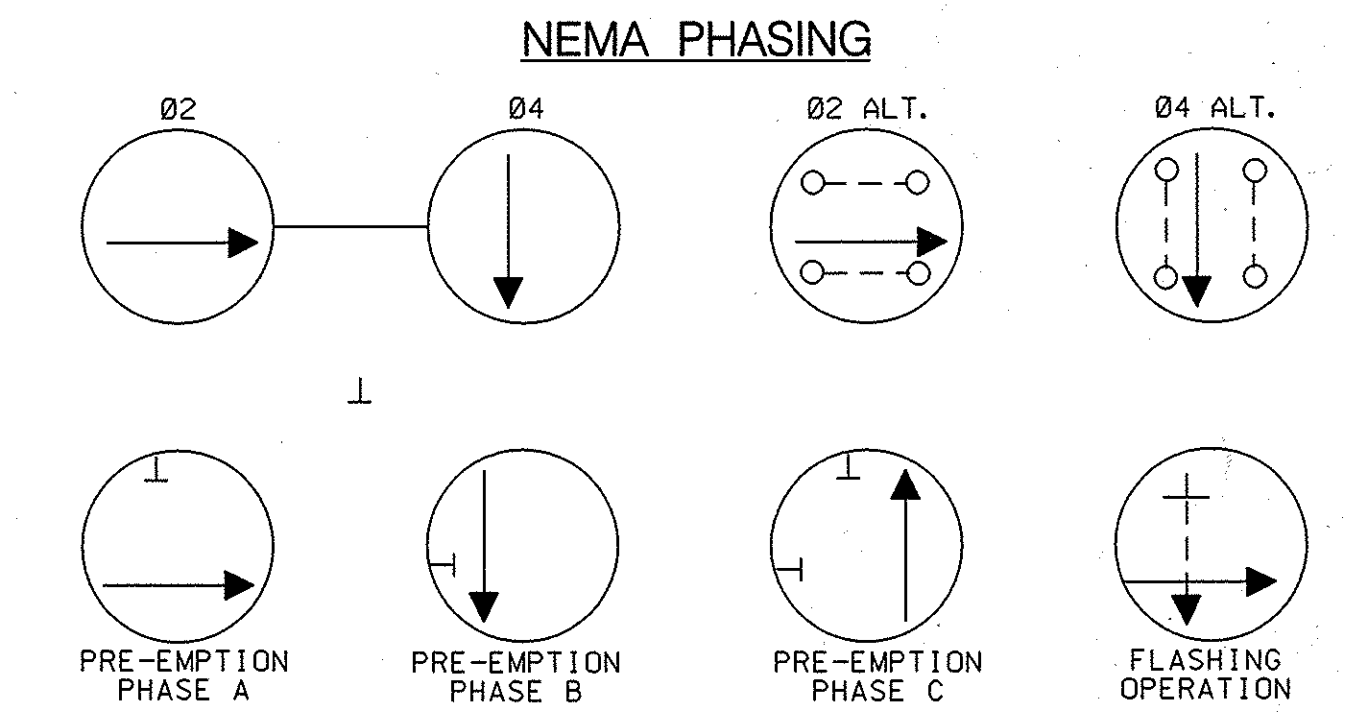
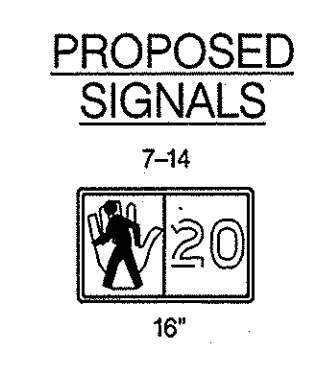
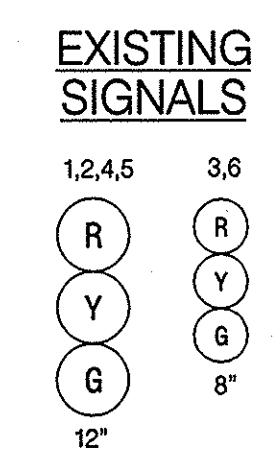
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR. ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO OOTS FOR APPROVAL PRIOR TO INSTALLATION.

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8014	8 EA	FURNISH AND INSTALL AUDIBLE-TACTILE PEDESTRIAN PUSHBUTTON STATION
8024	8 EA	FURNISH AND INSTALL LED 16 IN. COUNTDOWN PEDESTRIAN SIGNAL
8028	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8076	2200 LF	FURNISH AND INSTALL 2-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
8078	2200 LF	FURNISH AND INSTALL 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	— A —
ELECTRICAL	— E —
TELEPHONE	— T —
GAS	— G —
SEWER	— S —
WATER	— W —
CABLE TV	— TV —

N. POTOMAC ST.



PHASING NOTES:
1) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY
2) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

US 40 EAST
(W. WASHINGTON ST.)

US 40 EAST
(E. WASHINGTON ST.)

S. POTOMAC ST.

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PHASE 2	G	G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
2 CHANGE	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
4 CHANGE	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 2 ALT	G	G	G	R	R	R	FL-WK	FL-WK	FL-WK	FL-WK	DW	DW	DW	DW
PED CLEAR	G	G	G	R	R	R	FL-DW	FL-DW	FL-DW	FL-DW	DW	DW	DW	DW
2 ALT CHANGE	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PHASE 4 ALT	R	R	R	G	G	G	DW	DW	DW	DW	FL-WK	FL-WK	FL-WK	FL-WK
PED CLEAR	R	R	R	G	G	G	DW	DW	DW	DW	FL-DW	FL-DW	FL-DW	FL-DW
4 ALT CHANGE	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION A	G	G	G	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
CHANGE	Y	Y	Y	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION B	R	R	R	G	G	G	DW	DW	DW	DW	DW	DW	DW	DW
CHANGE	R	R	R	Y	Y	Y	DW	DW	DW	DW	DW	DW	DW	DW
PRE-EMPTION C	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
CHANGE	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLR	FLR	FLR	DARK	DARK	DARK	DARK	DARK	DARK	DARK	DARK

CONSTRUCTION NOTES

1. REMOVE ALL EXISTING PEDESTRIAN SIGNALS AND INSTALL NEW COUNTDOWN PEDESTRIAN SIGNALS AND NAVIGATOR AUDIBLE PUSHBUTTONS WITH FACEPLATES ON ALL EXISTING SIGNAL POLES.
2. INSTALL 5-CONDUCTOR (NO. 14 A.W.G.) CABLE FROM THE PROPOSED PEDESTRIAN SIGNALS, THROUGH THE EXISTING CONDUIT TO THE EXISTING BASE MOUNTED CABINET.
2. INSTALL 2-CONDUCTOR (NO. 14 A.W.G.) CABLE FROM THE PROPOSED PEDESTRIAN PUSHBUTTONS, THROUGH THE EXISTING CONDUIT TO THE EXISTING BASE MOUNTED CABINET.
3. REMOVE ANY EXISTING UNUSED CABLE.

TOD No: AT782-19
SHA: WA316A51/B51

SHA STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TRAFFIC SIGNAL PLAN
US 40 EAST (EASTWEST
WASHINGTON ST.)
AT NORTHSOUTH POTOMAC ST.

SCALE 1"=20' DATE 5-97 CONTRACT NO. AT7825185

DESIGNED BY J. LAWRENCE COUNTY WASHINGTON
DRAWN BY R. ISAACS LOGMILE 2.1270036.08
CHECKED BY M. RUCKER T.I.M.S. NO. H 201
F.A.P. NO. NA TOD NO.

DRAWING NO. TS-3667A. B SHEET NO. 1 OF 1

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FAX (410) 923-6473
EMAIL TRAFFIC.CONCEPTS@COMCAST.NET

APPROVALS

TEAM LEADER
ASST. DIV. CHIEF
DIVISION ENGINEER
OFFICE DIRECTOR

REVISIONS

1. REPLACE PEDESTRIAN SIGNALS WITH COUNTDOWN SIGNALS AND INSTALLING NEW AUDIBLE-TACTILE PEDESTRIAN PUSHBUTTON STATIONS 1-20-06
2. SHA NO. AT7825185